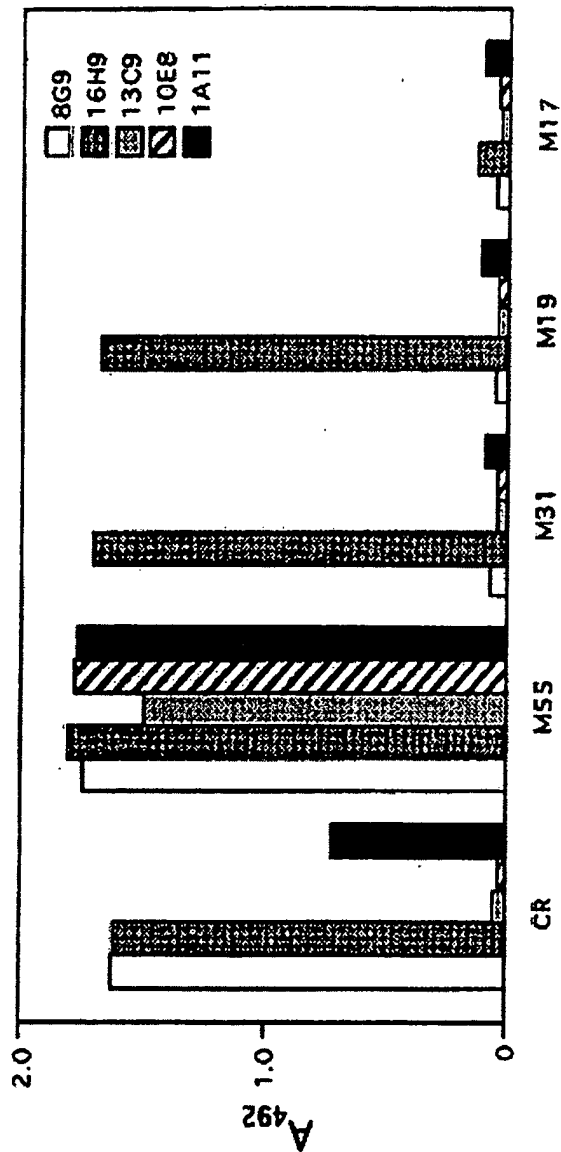


APPENDIX B

ELISA analysis of immobilized recombinant constructs of collagen binding MSCRAMM



Five antibodies were analyzed by ELISA for their ability to bind portions of the collagen binding MSCRAMM. Antibody 16H9 recognized the fragment M55 (CBD 30-529), M31 (CBD 61-343) and M19 (CBD 151-318), but not M17 (151-297). The other four antibodies only recognized the largest portion of the collagen binding MSCRAMM. These data clearly demonstrate that antibody recognition of an epitope in a larger protein does not ensure that the antibody will also recognize a smaller portion of the same protein. CR= native collagen receptor from *S. aureus*.